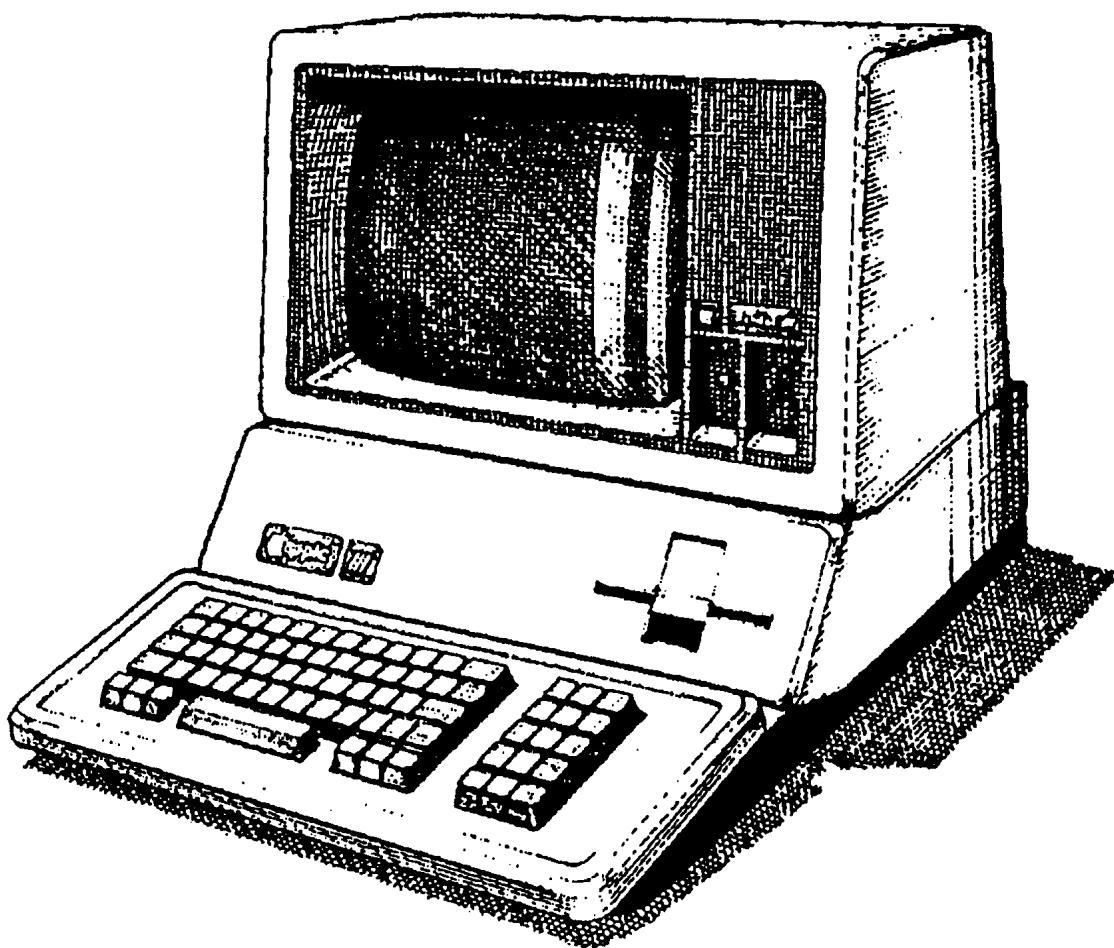




Apple /// Computer Information



DOCUMENT NAME

APPLE III COMPUTER HARDWARE SPECIFICATION
Apple III Owner's Guide, 1981, O30-0121-3

#

243

Ex Libris David T. Craig

"_45.PICT" 205 KB 2001-09-10 dpi: 300h x 300v pix: 1971h x 2634v

General purpose communications (.RS232)

RS-232-C interface.

Configurable data rates from 110 to 9600 baud.

Configurable protocols, including XON/XOFF, ETX/ACK, and ENQ/ACK.

Interrupt-driven, buffered, bi-directional data transfer.

Hardware handshaking option.

Serial printer (.PRINTER)

RS-232-C interface.

Configurable data rates from 110 to 9600 baud.

Interrupt-driven and buffered (output only).

Hardware handshaking option.

Audio (.AUDIO)

64 volume levels.

Produces tones from 31 to 5090 Hz (over 7 octaves).

Duration range from 0 to 5 sec (increments of 1/60 sec).

Hardware

Size: 17.5 inches wide (44.45 cm)
18.2 inches deep (46.23 cm)
4.8 inches tall (12.19 cm)
Cast aluminum base with molded plastic cover

Weight: 26 pounds (11.8 kg)

Processor: Based on the 6502B microprocessor, with extended addressing capability

Clock Speed: 2 MHz peak, 1.4 MHz average

131,072

Main Memory: 128K (98,304) eight-bit bytes
Dynamic Random Access Memory

ROM Memory: 4K (4,096) eight-bit bytes initialization and diagnostics

Power Supply: High-voltage switching type
+5, -5, +12, -12 volts
UL approval pending

Power Req: 100 watts maximum, 107 to 132 volts, 60 Hz.

Ambient Temp: 15 to 35 degrees Celsius.
Critical factor is deformation temperature of diskette cases.

Mass Storage: One 5.25 inch (13.33 cm) floppy disk drive.
built-in 140K (143,360) bytes per diskette.
Up to 3 additional drives can be connected by "daisy chain" cables.

Keyboard: 74 keys (61 on main keyboard, 13 on numeric pad)
Full 128 character ASCII represented
All keys have automatic repeat except modifier keys
Five modifier keys: SHIFT, CONTROL, ALPHA LOCK, and two program-definable "Apple" keys
Four directional arrow keys with two-speed repeat
Four other special keys: TAB, ESCAPE, RETURN, ENTER

Screen: Three text modes:
40x24, black and white, normal and inverse
80x24, black and white, normal and inverse
40x24, 16 color, foreground and background
All text modes have a software-definable 128-character set

Four graphics modes:
280x192, black and white
280x192, 16 color, foreground and background
140x192, full 16 color
560x192, black and white

Video Output: RCA phono connector for NTSC black and white composite video
DB-15 type connector for:
NTSC black and white composite video
NTSC color composite video
RGB pure video
Composite sync signal
+5, -5, +12, -12 volt power supplies
Color signals appear as 16-level grey scale on black and white video outputs

Audio Output: Built-in 2-inch speaker
Miniature phone-tip jack on back of Apple III
Three different audio generators:
64 level audio port (6-bit DAC)
One-bit square-wave generator
Fixed-frequency "beep" generator

Serial I/O: RS-232C compatible, DB-25 female connector
Software selectable baud rate and duplex mode

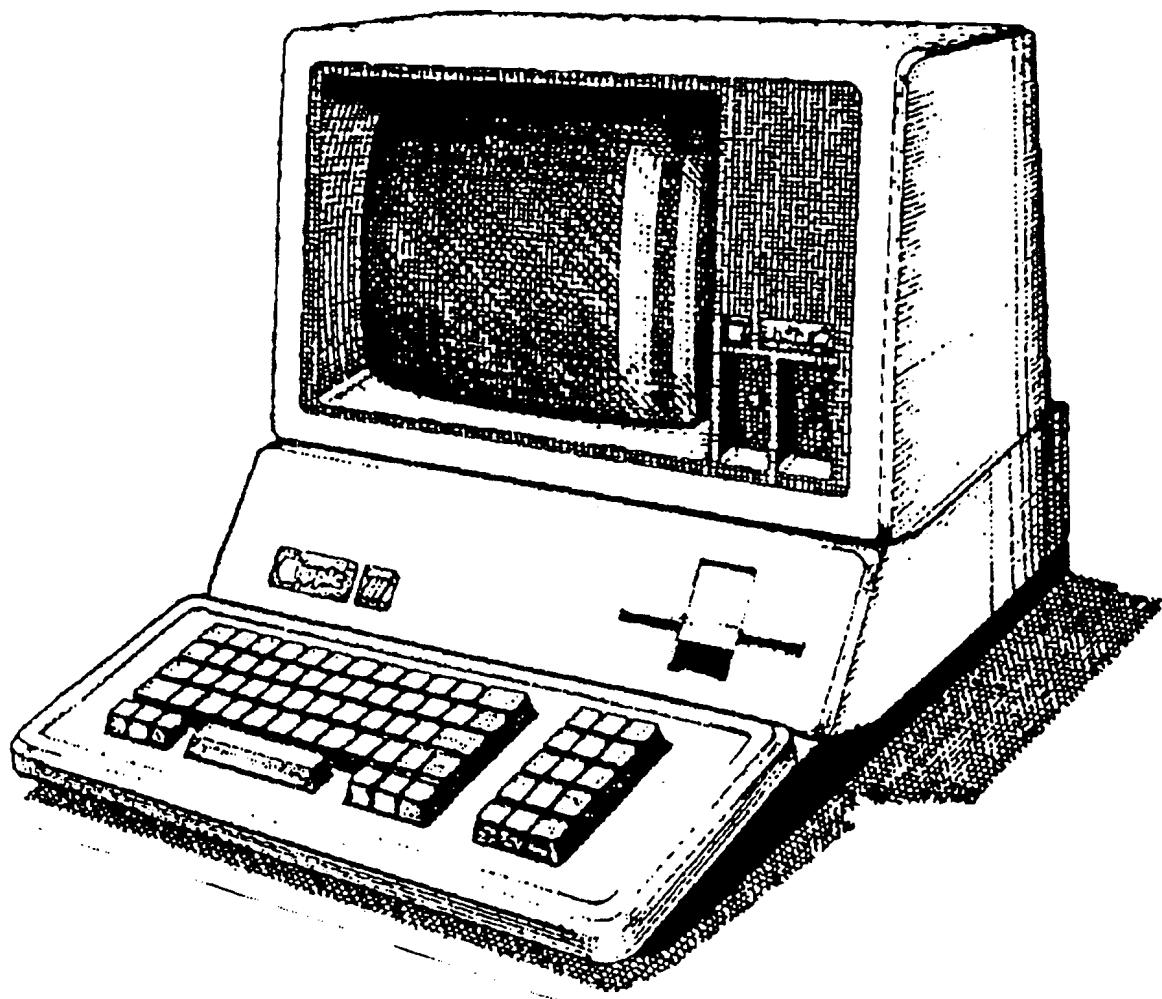
Joysticks: Two DB-9 connectors for two joysticks, two pushbuttons, and two switches

Printer: One DB-9 connector (shared with first joystick) for "Apple Silentype" printer

Expansion: Four 50-pin expansion slots inside the cabinet



Apple III Computer Information



End of Document

"_49.PICT" 165 KB 2001-09-10 dpi: 300h x 300v pix: 1876h x 2710v